


PTO/SU/08D (08-03)

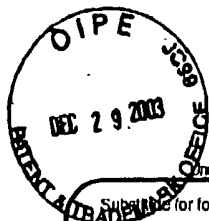
Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/724,570
				Filing Date	November 28, 2000
				First Named Inventor	Schenk, Dale B.
				Art Unit	1647
				Examiner Name	Nichols, Christopher J.
Sheet	1	of	1	Attorney Docket Number	015270-005914US

NON PATENT LITERATURE DOCUMENTS			
Exam- iner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
	551	HSIAO et al., "From prion diseases to Alzheimer's disease," J. Neural. Transm., (suppl.) 49:135-144 (1997).	

Examiner Signature		Date Considered	10/28/04
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. (Include copy of this form with next communication to applicant.)
¹ Applicant's unique citation designation number (optional). * Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08A (10-01)
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Supplemental form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 24

Complete if Known

Application Number	09/724,570
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005914US

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CDU	360	2003/0073655 A1	04-17-2003	Chain	
	370	2003/0068325 A1	04-10-2003	Wang	
	378	2002/0197258 A1	12-26-2003	Ghanbari et al.	
	366	2002/0187157 A1	12-12-2002	Jensen et al.	
	377	2002/0168377 A1	11-14-2002	Schaetzl	
	340	2002/0162129 A1	10-31-2002	Lannfelt	
	395	2002/0160394 A1	10-31-2002	Wu	
	326	2002/0136718 A1	09-26-2002	Raso	
	379	2002/0132268 A1	09-19-2002	Chang et al.	
	365	2002/0133001 A1	09-19-2002	Gefter et al.	
	325	2001/0102261 A1	08-01-2002	Raso	
	362	2002/0094335 A1	07-18-2002	Chalifour et al.	
	306	6,417,178 B1	07-09-2002	Klunk et al.	
	376	2002/0086847 A1	07-04-2002	Chain	
	405	6,399,314 B1	06-04-2002	Krishnamurthy	
	342	2002/0009445 A1	01-24-2002	Du et al.	
	267	6,294,171 B2	09-25-2001	McMichael	
	381	2001/0021769 A1	09-13-2001	Prusiner	
	401	6,284,533 B1	09-04-2001	Thomas	
	234	6,284,221 B1	09-04-2001	Schenk, et al.	
	300	2001/0018053 A1	08-30-2001	McMichael	
	230	6,262,335 B1	07-17-2001	Hsiao et al.	
	345	2002/0077288 A1	06-21-2001	Frangione	
	196	6,150,091	11-21-2000	Pandolfo et al.	
	231	6,114,133	09-05-2000	Seubert et al.	
	1	6,057,367	05-02-2000	Stamler et al.	
	221	5,989,566	11-23-1999	Cobb et al.	
	2	5,958,883	09-28-1999	Snow	
	3	5,955,317	09-21-1999	Suzuki et al.	
	4	5,955,079	09-21-1999	Mond et al.	
CDU	346	5,935,927	08-10-1999	Vitek et al.	
	5	5,877,399	03-02-1999	Hsiao et al.	

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g. nichols

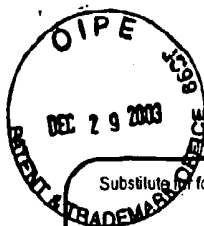
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 24

Complete If Known

Application Number	09/724,570
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005914US

CN	6	5,869,093	02-09-1999	Weiner et al.	
	7	5,869,054	02-09-1999	Weiner et al.	
	8	5,854,204	12-29-1998	Findeis et al.	
	9	5,851,996	12-22-1998	Kline	
	10	5,849,298	12-15-1998	Welner et al.	
	382	5,846,533	12-08-1998	Prusiner	
	321	5,837,672	11-17-1998	Schenk et al.	
	11	5,837,473	11-17-1998	Maggio et al.	
	353	5,824,322	10-20-1998	Batasubramanian	
	12	5,786,180	07-28-1998	Konig et al.	
	207	5,780,587	07-14-1998	Potter	
	357	5,776,468 B1	07-07-1998	Hauser et al.	
	13	5,753,624	05-19-1998	McMichael et al.	
	380	5,750,361	05-12-1998	Prusiner et al.	
	14	5,750,349	05-12-1998	Suzuki et al.	
	197	5,744,368	04-28-1998	Goldgaber et al.	
	211	5,736,142	04-07-1998	Sette et al.	
	15	5,733,547	03-31-1998	Weiner et al.	
	373	5,721,130	02-24-1998	Seubert et al.	
	16	5,688,651	11-18-1997	Solomon	
	17	5,679,348	10-21-1997	Nesburn et al.	
	18	5,645,820	07-08-1997	Hafler et al.	
	19	5,641,474	06-24-1997	Hafler et al.	
	20	5,641,473	06-24-1997	Hafler et al.	
	356	5,622,701	04-22-1997	Berg	
	21	5,612,486	03-18-1997	McConlogue et al.	
	22	5,605,811	02-25-1997	Seubert et al.	
	320	5,593,846	01-14-1997	Schenk et al.	
	23	5,585,100	12-17-1996	Mond et al.	
	358	5,583,112 B2	12-10-1996	Kensil et al.	
	24	5,571,500	11-05-1996	Hafler et al.	
	25	5,571,499	11-05-1996	Hafler et al.	
✓	403	5,464,823	11-07-1995	Lehrer et al.	
	175	5,441,870	08-15-1995	Seubert, et al.	
CN	26	5,434,170	07-18-1995	Andrulis, Jr.	

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C. Nichols

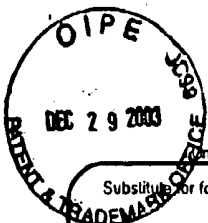
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 24

Complete if Known

Application Number	09/724,570
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005914US

CSO	27	5,387,742	02-07-1995	Cordell	
	181	5,270,165	12-14-1993	Van Nostrand et al.	
	284	5,231,170	07-27-1993	Averback	
	28	5,231,000	07-27-1993	Majocha et al.	
	29	5,220,013	06-15-1993	Ponte et al.	
	30	5,208,036	05-04-1993	Eppstein et al.	
	31	5,192,753	03-09-1993	McGeer et al.	
	32	5,187,153	02-16-1993	Cordell et al.	
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	198	5,004,697	04-20-1991	Pardridge	
CSO	402	4,713,366	12-15-1987	Stevens	
CSO	34	4,666,829	05-19-1987	Glenner et al.	

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Filing Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CSO	296	60/254,465	12-08-2000	Holtzman et al.	
	297	60/254,498	12-08-2000	Holtzman et al.	
	305	09/724,842	11-28-2000	Chalfour et al.	
	295	60/184,601	02-24-2000	Holtzman et al.	
	282	60/169,687	12-08-1999	Chain	
CSO	242	60/168,594	11-29-1999	Chalfour et al.	
	283	09/441,140	11-16-1999	Solomon et al.	
CSO	299	60/186,295	03-01-2000	Rasmussen et al.	

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Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
CSO	343	EP	1 172 378	A1	01-16-2002			
	35	EP	911 036	A2	04-28-1999			
	36	EP	868 918	A2	10-07-1998			
	37	EP	863 211	A1	09-09-1998			
CSO	38	EP	845 270	A1	06-03-1998			
CSO	39	EP	782 859	A1	07-09-1997			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4 of 24

Complete if Known

Application Number	09/724,570
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005914US

40	EP	683 234	A1	11-22-1995			
41	EP	666 080	A1	08-09-1995			
42	EP	652 962	B1	12-16-1998			
43	EP	639 081	B1	11-03-1999			
44	EP	613 007	A2	08-31-1994			
45	EP	594 607	B1	08-27-1997			
46	EP	561 087	B1	08-04-1999			
47	EP	526 511	B1	05-28-1997			
48	EP	506 785	B1	03-15-2000			
49	EP	451 700	A1	10-16-1991			
50	EP	440 619	B1	01-24-1996			
51	EP	359 783	B1	11-29-1995			
52	EP	276 723	B1	12-08-1993			Yes
187	EP	783 104	A1	07-09-1997			
351	WO	02/34878	A2	05-02-2002			
352	WO	02/34777	A1	05-02-2002			
341	WO	02/03911	A2	04-07-2001			
344	WO	01/90182	A2	11-29-2001			
348	WO	01/77167	A2	10-18-2001			
294	WO	01/62801	A2	08-30-2001			
301	WO	01/62284	A2	03-01-2000			
298	WO	01/42306	A2	06-14-2001			
243	WO	01/39796	A2	06-07-2001			
199	WO	00/77178	A1	12-21-2000			
322	WO	00/72880	A2, A3	12-07-2000			
323	WO	00/72876	A2, A3	12-07-2000			
324	WO	00/72870	A1	12-07-2000			
240	WO	00/43039	A1	07-27-2000			
188	WO	00/43049	A1	07-27-2000			
53	WO	99/60024	A1	11-25-1999			
54	WO	99/60021	A2	11-15-1999			
55	WO	99/58564	A1	11-18-1999			
56	WO	99/06066	A2	02-11-1999			
57	WO	99/27949	A1	06-10-1999			
58	WO	99/27944	A1	06-10-1999			

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Date
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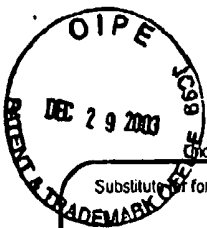
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Sheet 6 of 24

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Application Number	09/724,570
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005914US

85	WO	90/12871	A1	11-01-1990			
86	WO	90/12870	A1	11-01-1990			
87	WO	89/01343	A1	02-23-1989			
88	WO	89/06242	A1	07-13-1989			
89	WO	89/06689	A1	07-27-1989			
90	WO	89/03687	A1	05-05-1989			
91	WO	88/10120	A1	12-29-1988			
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93	GB	2 335 192	A	09-15-1999			

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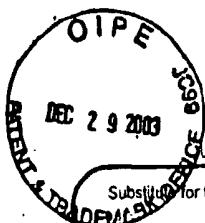
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Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005914US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ESD	391	AGUZZI et al., "Prion research: the next frontiers," <u>Nature</u> , 389:795-798 (1997).	<input type="checkbox"/>
	393	AKIYAMA et al., "Inflammation and Alzheimer's disease," <u>Neurobiology of Aging</u> , 21:383-421 (2000).	<input type="checkbox"/>
	372	AKIYAMA et al., "Occurrence of the Diffuse Amyloid β -Protein (A β) Deposits With Numerous A β -Containing Glial Cells in the Cerebral Cortex of Patients With Alzheimer's Disease," <u>Glia</u> , 25:324-331 (1999).	<input type="checkbox"/>
	94	ANDERSEN et al., "Do nonsteroidal anti-inflammatory drugs decrease the risk for Alzheimer's disease?", <u>Neurology</u> , 45:1441-1445 (1995).	<input type="checkbox"/>
	95	Associated Press, "Immune cells may promote Alzheimer's, a study finds," <u>The Boston Globe</u> (4/13/95).	<input type="checkbox"/>
	176	BARD et al., "Peripherally administered antibodies against amyloid β -peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <u>Nature Medicine</u> , 6(8):916-919 (2000).	<input type="checkbox"/>
	228	BARROW et al., "Solution Conformations and aggregational Properties of Synthetic Amyloid Beta-Peptides of Alzheimer's Disease. Analysis of Circular Dichroism Spectra," <u>J. Mol. Biol.</u> , 225(4): 1075-1093 (1992).	<input type="checkbox"/>
	96	BAUER et al., "Interleukin-6 and α -2-macroglobulin indicate an acute-phase state in Alzheimer's disease cortices," <u>FEBS Letters</u> , 285(1):111-114 (1991).	<input type="checkbox"/>
	239	BEASLEY, "Alzheimer's traced to proteins caused by aging," Reuters, April 20, 2001 7:56 PM ET.	<input type="checkbox"/>
	404	BENJAMINI and LESKOWITZ, from <u>IMMUNOLOGY A Short Course</u> , Second Edition, Chapter 4, Antibody Structure, pages 49-65, 1991, published by Wiley-Liss, Inc., New York, New York.	<input type="checkbox"/>
✓	204	BERCOVICI et al., "Chronic Intravenous Injections of Antigen Induce and Maintain Tolerance in T Cell Receptor-Transgenic Mice," <u>Eur. J. Immunol.</u> , 29:345-354 (1999).	<input type="checkbox"/>
ESD	212	BICKEL et al., "Site Protected, Cationized Monoclonal Antibody Against Beta Amyloid as a Potential Diagnostic Imaging Technique for Alzheimer's Diseases," <u>Soc. for Neuroscience Abstracts</u> , 18:764 (1992).	<input type="checkbox"/>

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Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005914US

CSO	97	BLASS, "Immunologic Treatment of Alzheimer's Disease," <u>New England J. Medicine</u> , 341(22):1694 (1999).	<input checked="" type="checkbox"/>
	98	BODMER et al., "Transforming Growth Factor-Beta Bound to Soluble Derivatives of the Beta Amyloid Precursor Protein of Alzheimer's Disease," <u>Biochem. Biophys. Res. Comm.</u> , 171(2):890-897 (1990).	<input checked="" type="checkbox"/>
	99	BORCHELT et al., "Accelerated Amyloid Deposition in the Brains of Transgenic Mice Coexpressing Mutant Presenilin 1 and Amyloid Precursor Proteins," <u>Neuron</u> , 19: 939-945 (1997).	<input checked="" type="checkbox"/>
	100	BORIS-LAWRIE et al., "Recent advances in retrovirus vector technology," <u>Cur. Opin. Genetic Develop.</u> , 3: 102-109 (1993).	<input checked="" type="checkbox"/>
	101	BRICE et al., "Absence of the amyloid precursor protein gene mutation (APP717 : Val->Ile) in 85 cases of early onset Alzheimer's disease," <u>J. Neurology, Neurosurg. Psychiatry</u> , 56:112-115 (1993).	<input checked="" type="checkbox"/>
	327	CAMERON, "Recent Advances in Transgenic Technology," <u>Molecular Biotechnology</u> , 7:253-265 (1997).	<input checked="" type="checkbox"/>
	285	CAPUTO et al., "Therapeutic approaches targeted at the amyloid proteins in Alzheimer's disease," <u>Clin. Neuropharm.</u> , 15:414A-414B (1992).	<input checked="" type="checkbox"/>
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	102	CHAO et al., "Transforming Growth Factor- β Protects human Neurons Against β -Amyloid-Induced Injury," <u>Soc. Neurosci. Abstracts</u> , 19:513-7 (1993).	<input checked="" type="checkbox"/>
	266	CHAPMAN, "Model behavior," <u>Nature</u> , 408:915-916 (2000).	<input checked="" type="checkbox"/>
CSO	349	CHECK, "Battle of the Mind," <u>Nature</u> , 422:370-372 (March 2003).	<input checked="" type="checkbox"/>
	222	Chemical Abstract database, Abstract of "Injection of Newborn Mice with Seven Chemical Adjuvants to Help Determine Their Safety in Use in Biologicals," Chemical Abstract database. (Publication date unknown.)	<input checked="" type="checkbox"/>
CSO	332	CHEN et al., "Neurodegenerative Alzheimer-like pathology in PDAPP 717V \rightarrow F transgenic mice," <u>Progress in Brain Research</u> , Van Leeuwen et al. Eds, 117:327-337 (1998).	<input checked="" type="checkbox"/>
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		Application Number	09/724,570
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	November 28, 2000
		First Named Inventor	Schenk, Dale B.
		Art Unit	1647
		Examiner Name	Christopher Nichols
		Attorney Docket Number	015270-005914US
Sheet	9	of	24

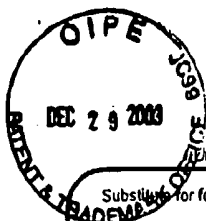
307	CHEN et al., "A learning deficit related to age and beta-amyloid plaques in a mouse model of Alzheimer's disease," <u>Nature</u> , 408(6815):975-9 (2000).	—
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Sheet	10	of	24

288	DUMERY et al., "β-Amyloid protein aggregation: its implication in the physiopathology of Alzheimer's disease," <u>Pathol. Biol.</u> , 49:72-85 (2001).	—
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Sheet 11

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24

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First Named Inventor	Schenk, Dale B.
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245	FRENKEL et al., "High affinity binding of monoclonal antibodies to the sequential epitope EFRH of β -amyloid peptide is essential for modulation of fibrillar aggregation," <u>J. of Neuroimmunology</u> , 95:136-142 (1999).
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		Examiner Name	Christopher Nichols
Sheet 12 of 24	Attorney Docket Number	015270-005914US	

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Sheet 13 of 24

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Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Art Unit	1647
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118	HAGA et al., "Synthetic Alzheimer amyloid β /A4 peptides enhance production of complement C3 component by cultured microglial cells," <u>Brain Research</u> , 601:88-94 (1993).	—
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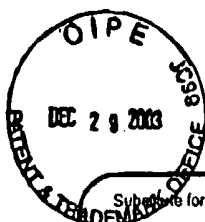
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Sheet 15 of 24

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Application Number	09/724,570
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005914US

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Application Number	09/724,570
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
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Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005914US

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,570
		Filing Date	November 28, 2000
		First Named Inventor	Schenk, Dale B.
		Art Unit	1647
		Examiner Name	Christopher Nichols
Sheet 17 of 24	Attorney Docket Number	015270-005914US	

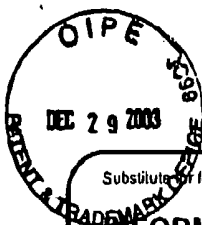
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Examiner Signature		Date Considered	3/25/04
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,570
		Filing Date	November 28, 2000
		First Named Inventor	Schank, Dale B.
		Art Unit	1647
		Examiner Name	Christopher Nichols
		Attorney Docket Number	015270-005914US
Sheet	18	of	24

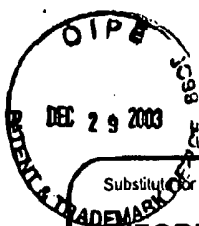
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		Application Number	09/724,570		
		Filing Date	November 28, 2000		
		First Named Inventor	Schenk, Dale B.		
		Art Unit	1647		
		Examiner Name	Christopher Nichols		
Sheet	19	of	24	Attorney Docket Number	015270-005914US

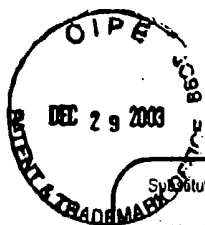
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Examiner Signature	<i>g. nichols</i>	Date Considered	3/25/04
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Sheet 20 of 24

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Application Number	09/724,570
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005914US

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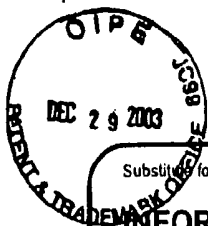
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		Application Number	09/724,570		
		Filing Date	November 28, 2000		
		First Named Inventor	Schenk, Dale B.		
		Art Unit	1647		
		Examiner Name	Christopher Nichols		
Sheet	21	of	24	Attorney Docket Number	015270-005914US

384	SIGURDSSON et al., "Immunization Delays the Onset of Prion Disease in Mice," <u>American Journal of Pathology</u> , 161:13-17 (2002).	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	09/724,570		
		Filing Date	November 28, 2000		
		First Named Inventor	Schenk, Dale B.		
		Art Unit	1647		
		Examiner Name	Christopher Nichols		
Sheet	22	of	24	Attorney Docket Number	015270-005914US

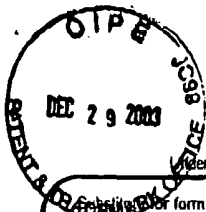
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		Examiner Name	Christopher Nichols
		Attorney Docket Number	015270-005914US
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		Filing Date	November 28, 2000
		First Named Inventor	Schenk, Dale B.
		Art Unit	1647
		Examiner Name	Christopher Nichols
Sheet 24 of 24	Attorney Docket Number	015270-005914US	

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